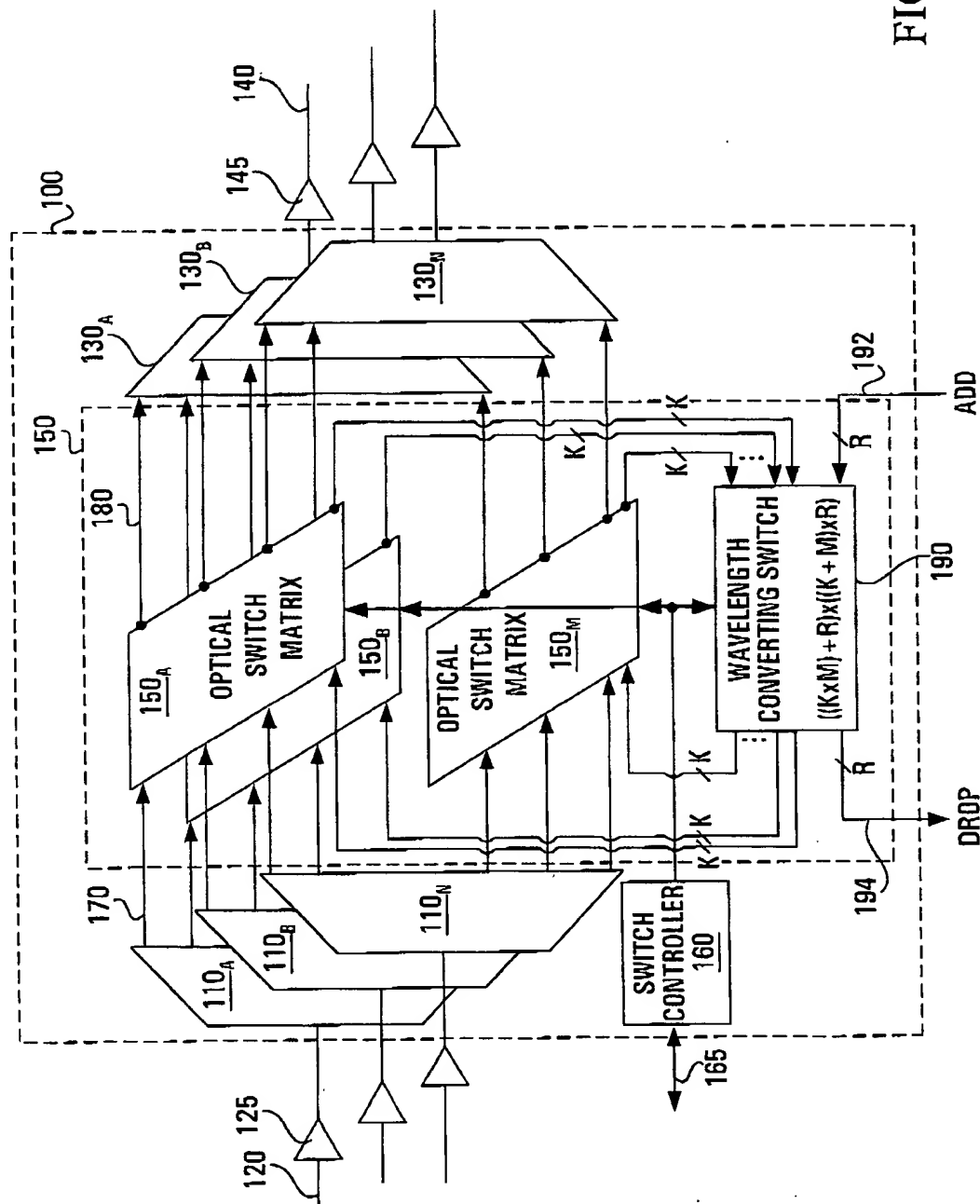


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FIG. 1



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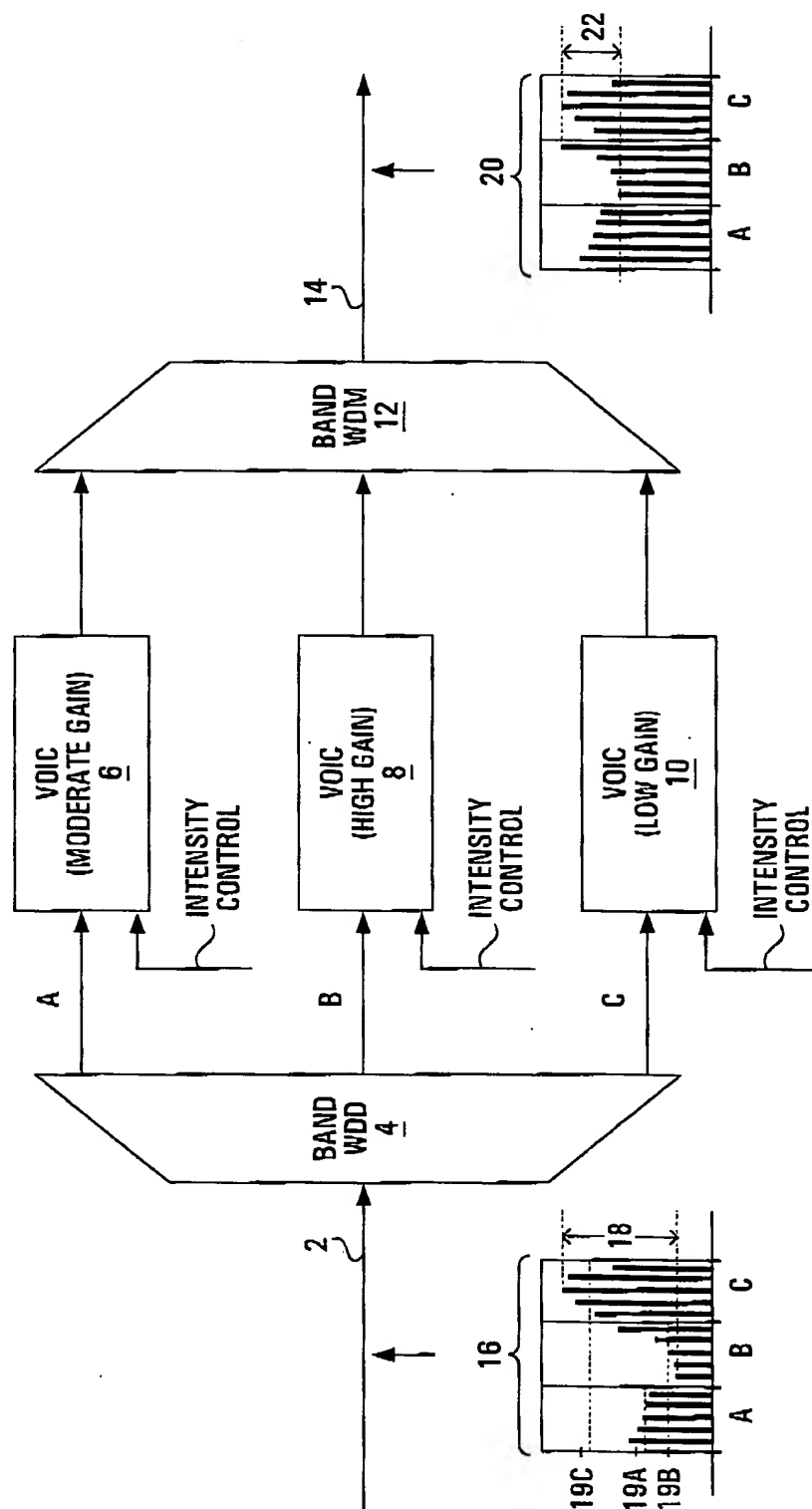


FIG. 2

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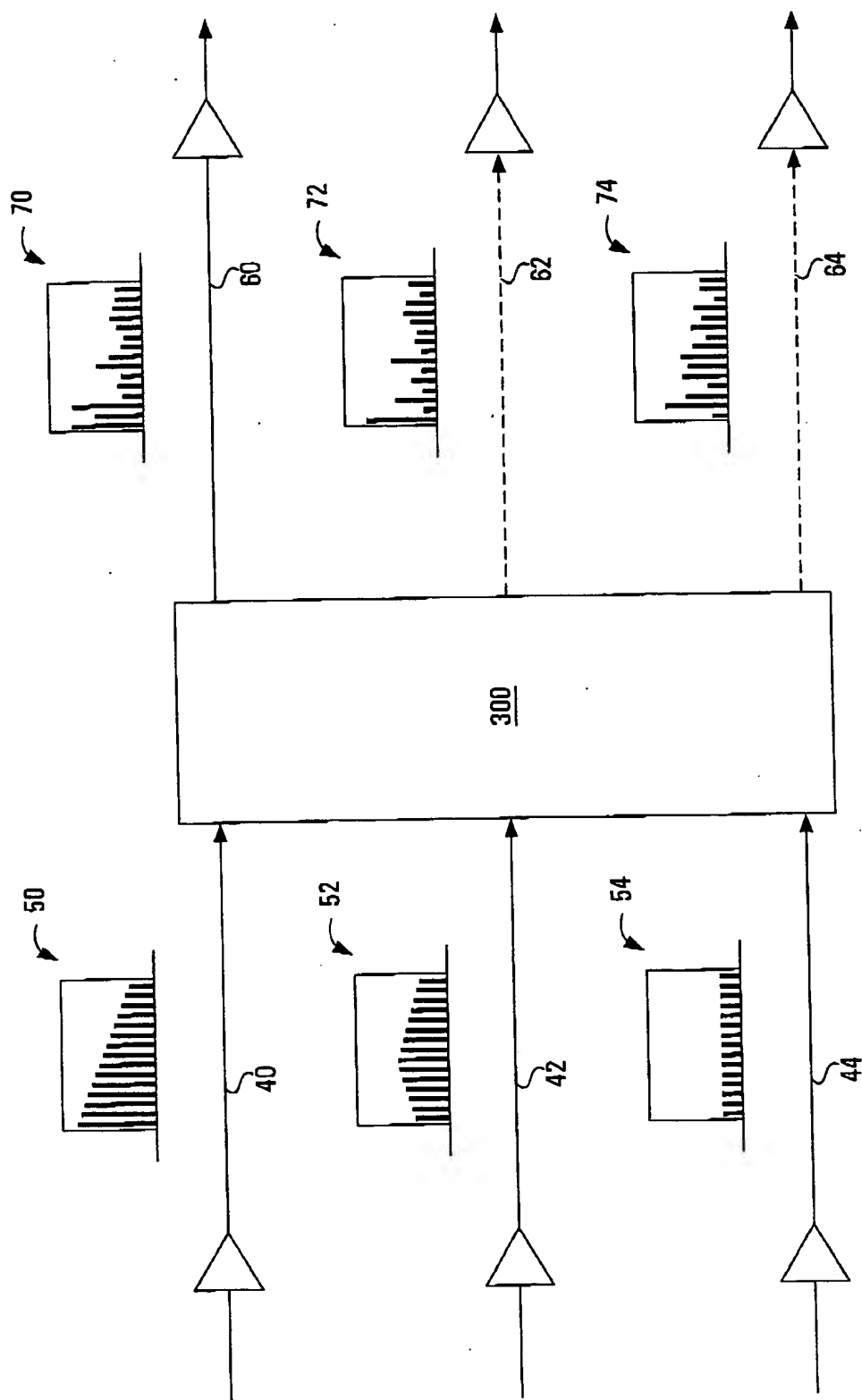


FIG. 3

000000" 56408350

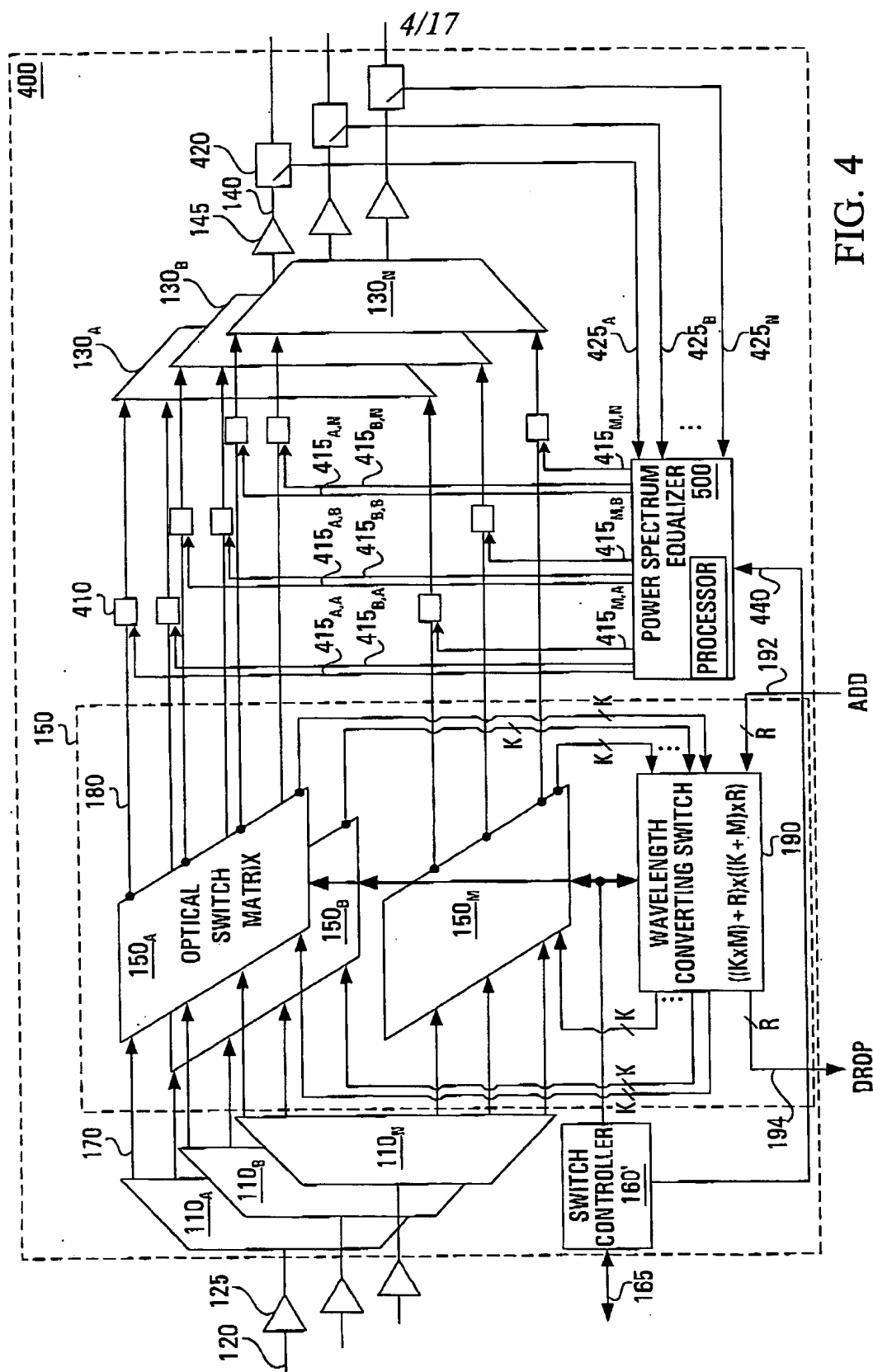
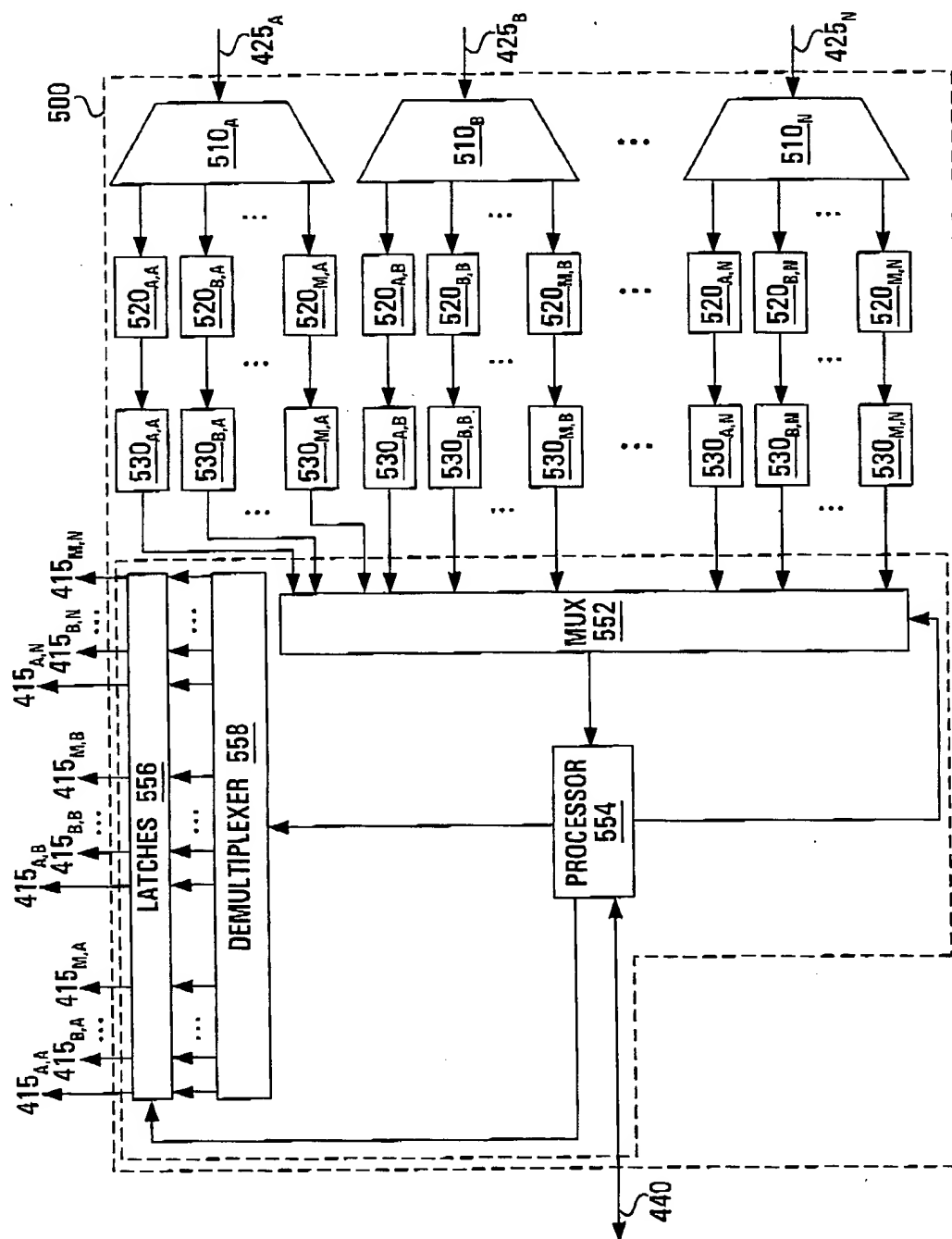


FIG. 4

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FIG. 5



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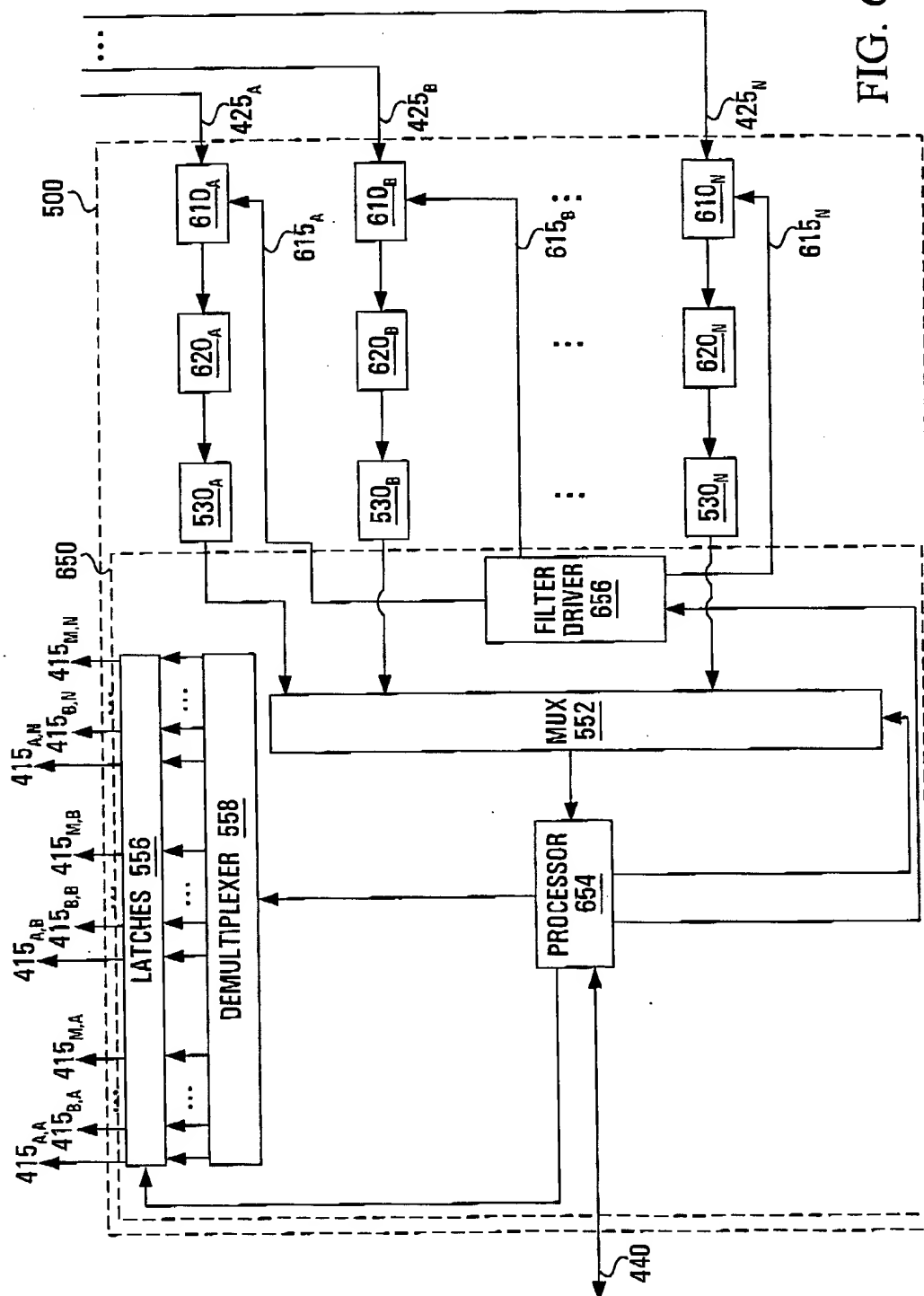
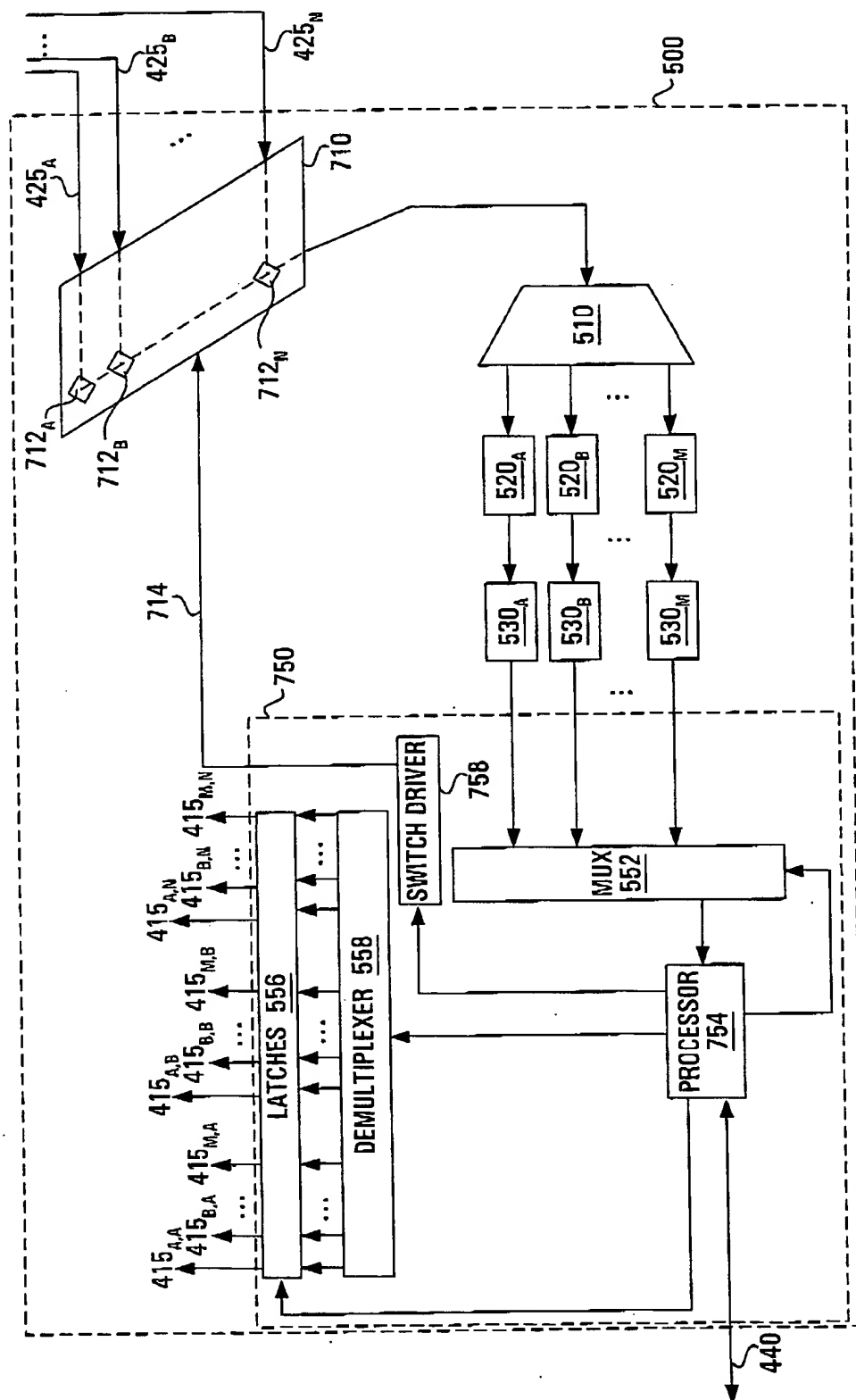


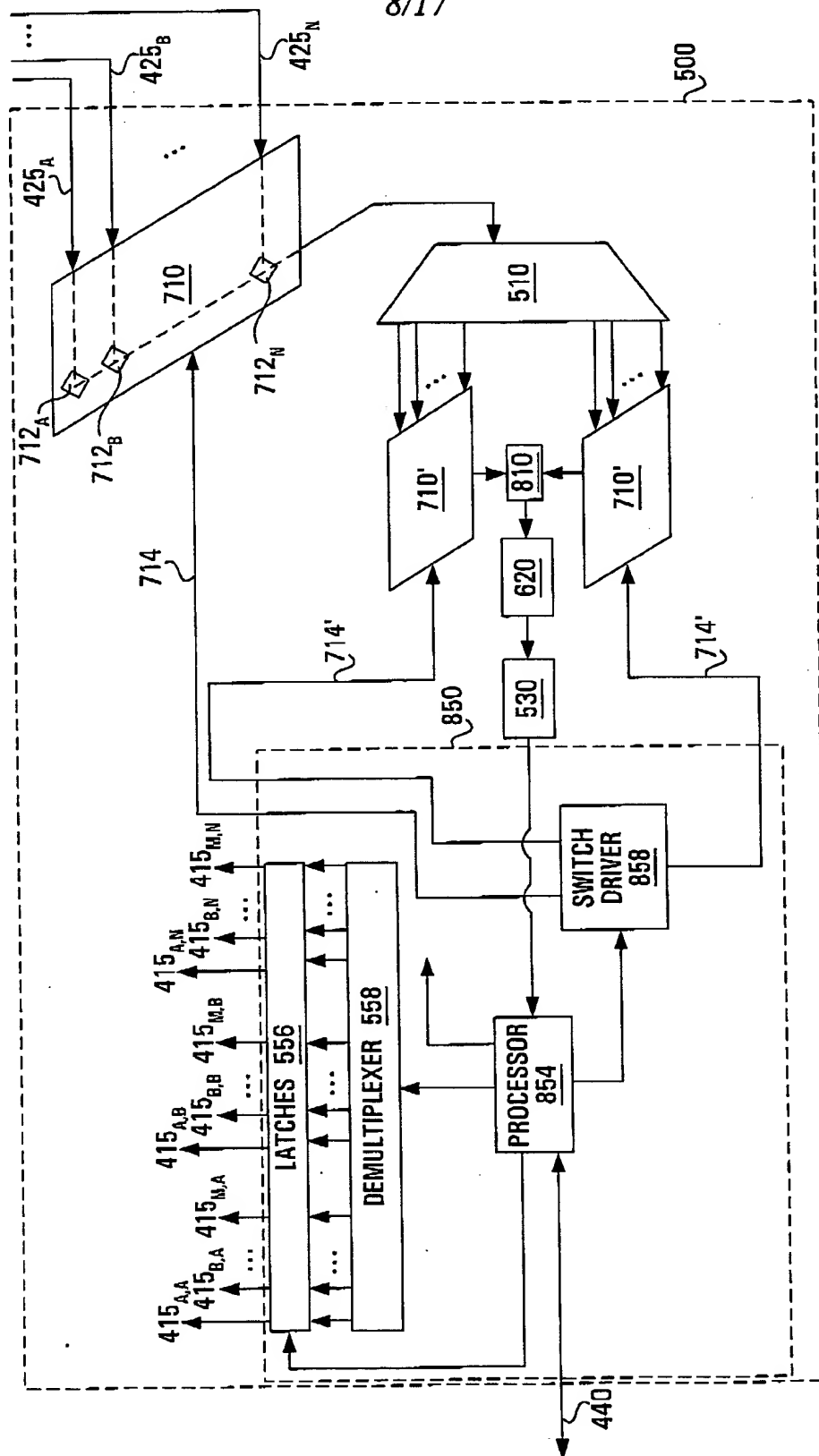
FIG. 6

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05/30 '00 14:23

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05/30 '00 14:23

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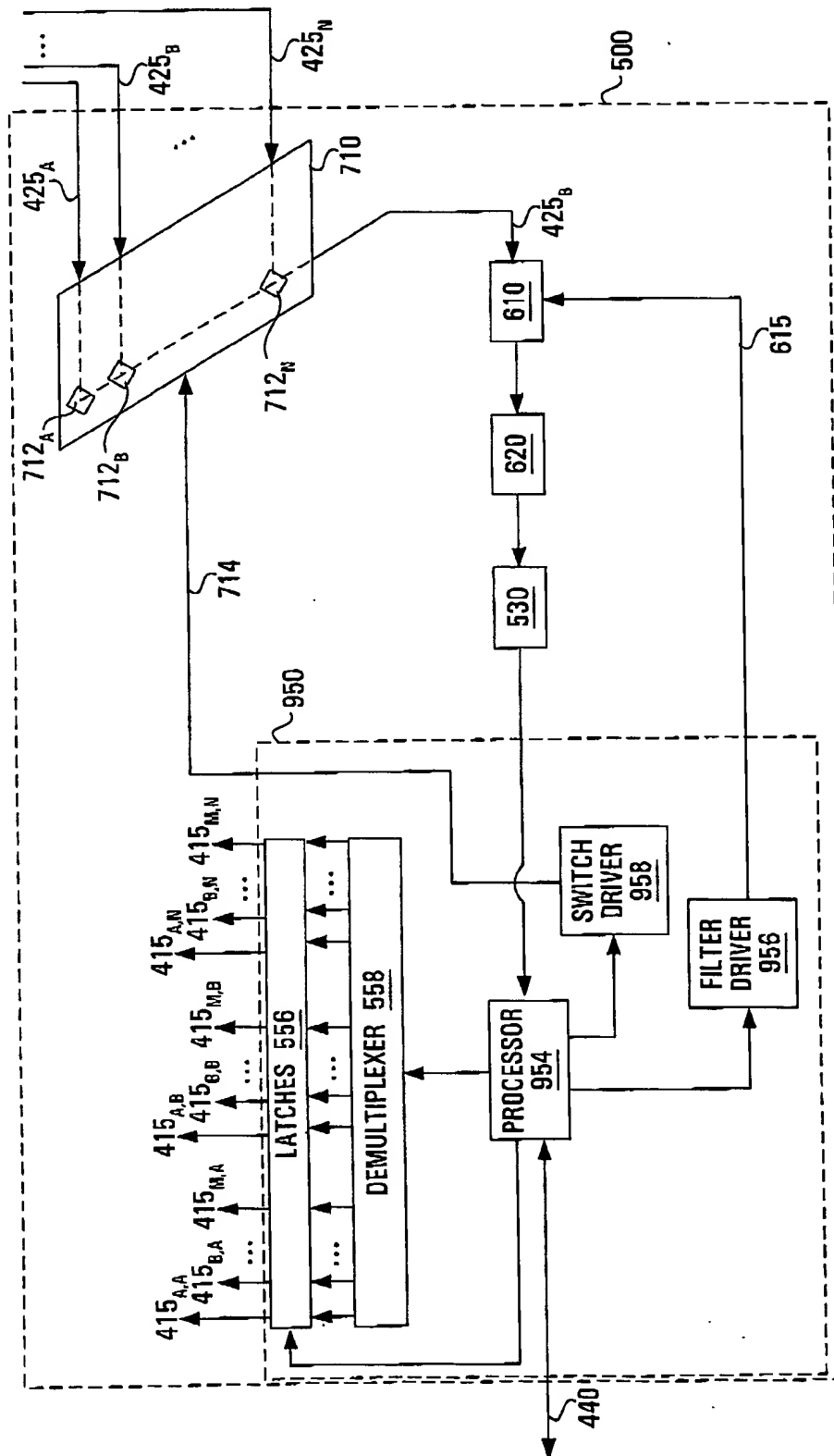
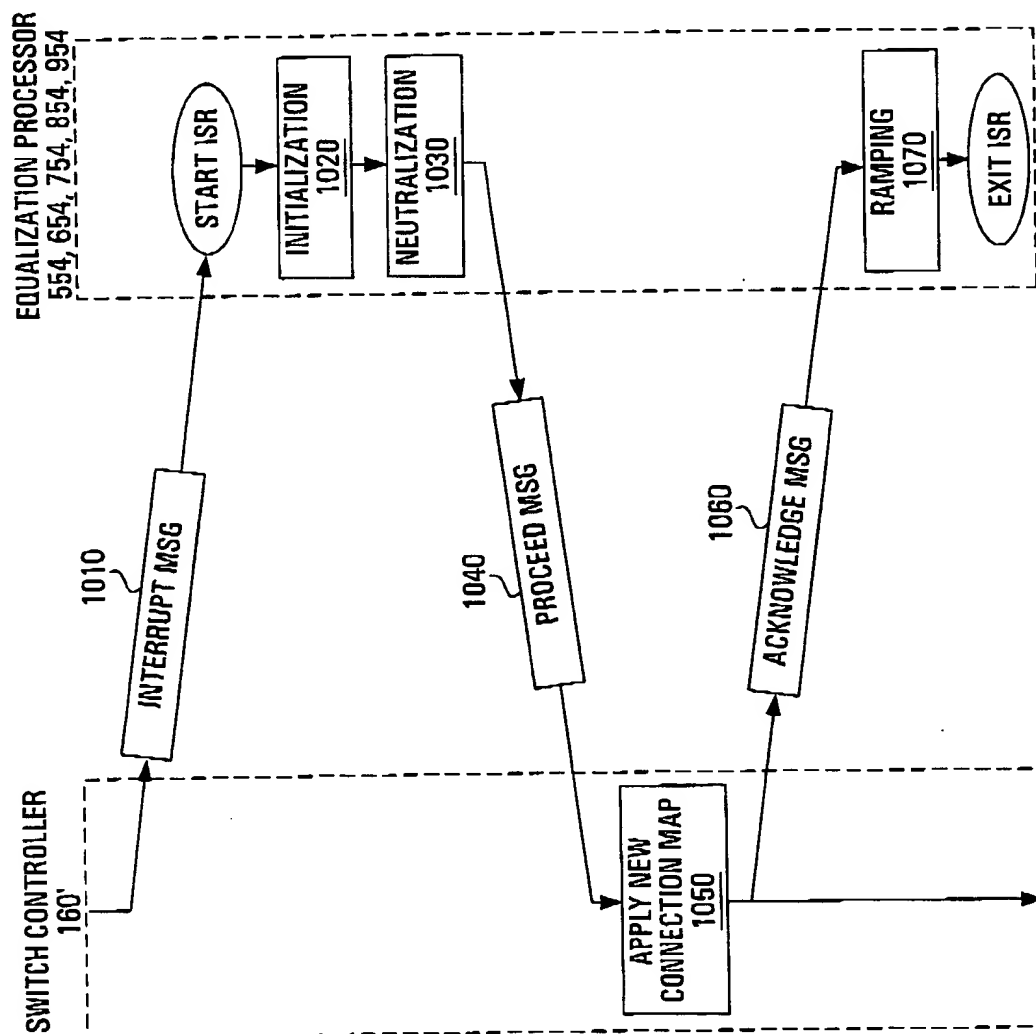


FIG. 9

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FIG.10



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	POWER ESTIMATION MODULES 530	TUNABLE OPTICAL BANDPASS FILTERS 610	OPTICAL RECEIVERS 520 (NARROWBAND) / 620 (WIDEBAND)	M-OUTPUT WDD DEVICES 510	N-INPUT SWITCH MATRICES 710, 710'
FIG. 5	MxN	MxN (NARROWBAND)	N
FIG. 6	N	N	N (WIDEBAND)
FIG. 7	M	M (NARROWBAND)	1	1
FIG. 8	1	1 (WIDEBAND)	1	1+CEIL(M÷N)
FIG. 9	1	1	1 (WIDEBAND)	1

FIG.11

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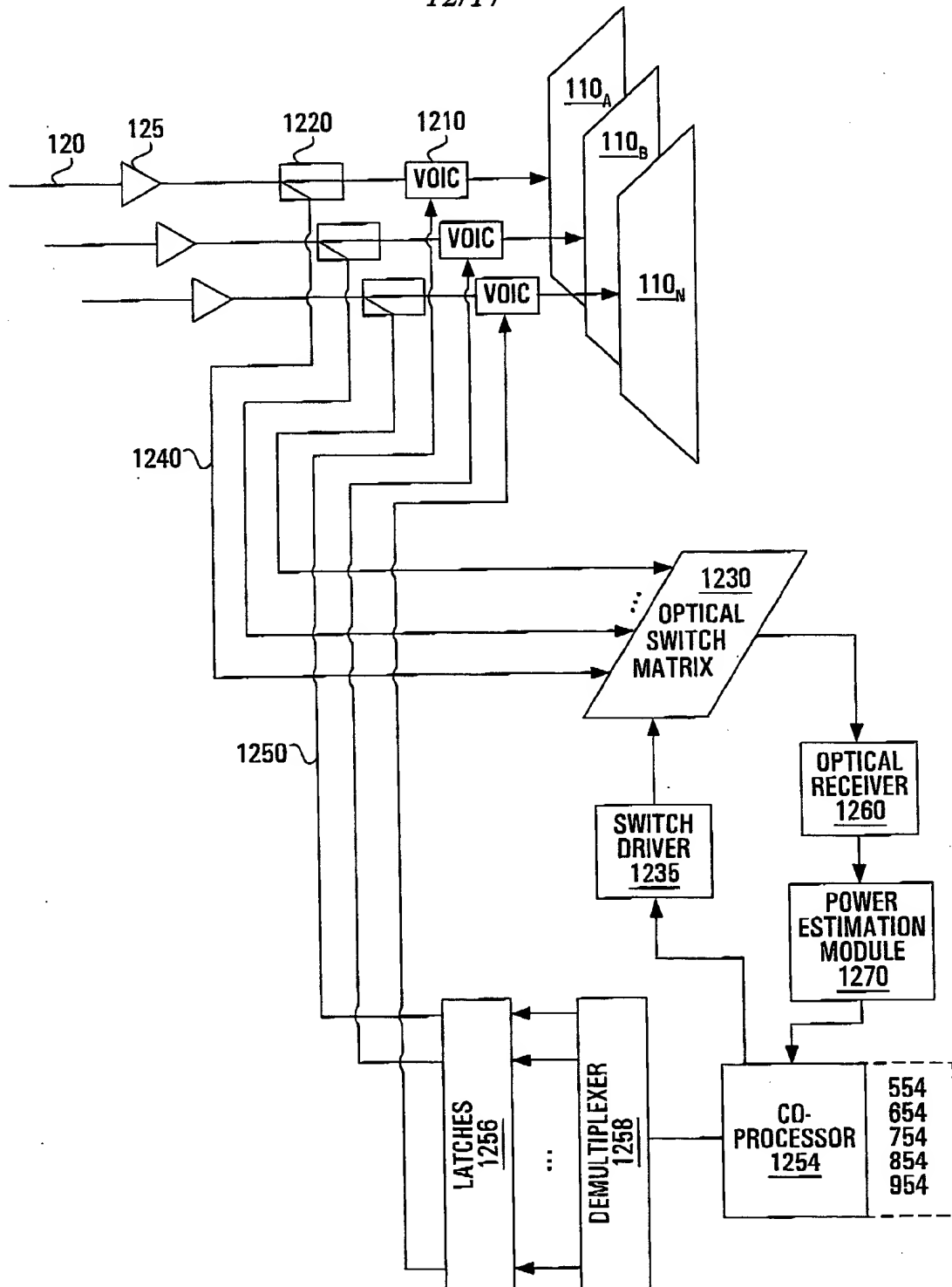


FIG. 12

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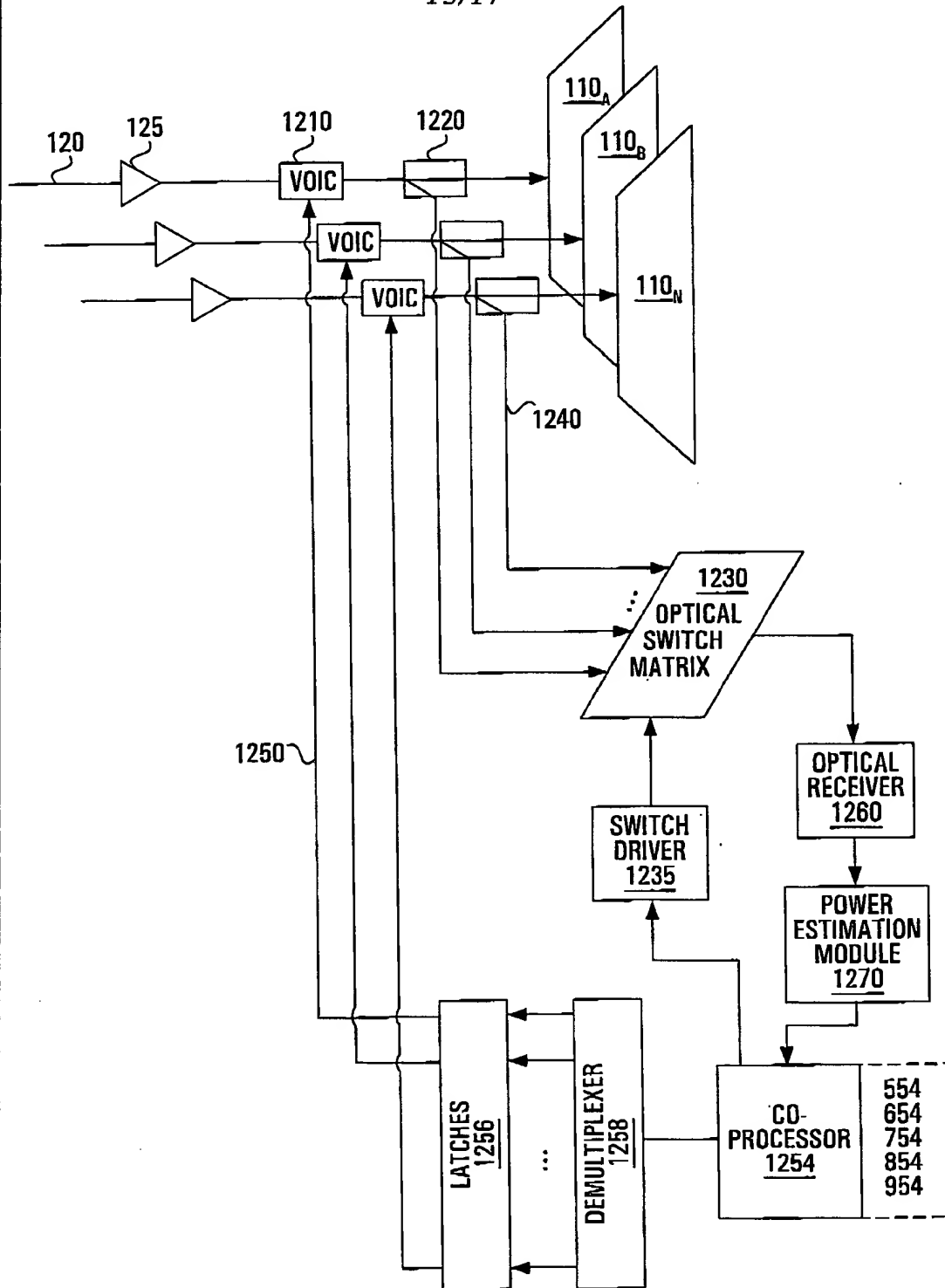


FIG. 12A

000050"56408560

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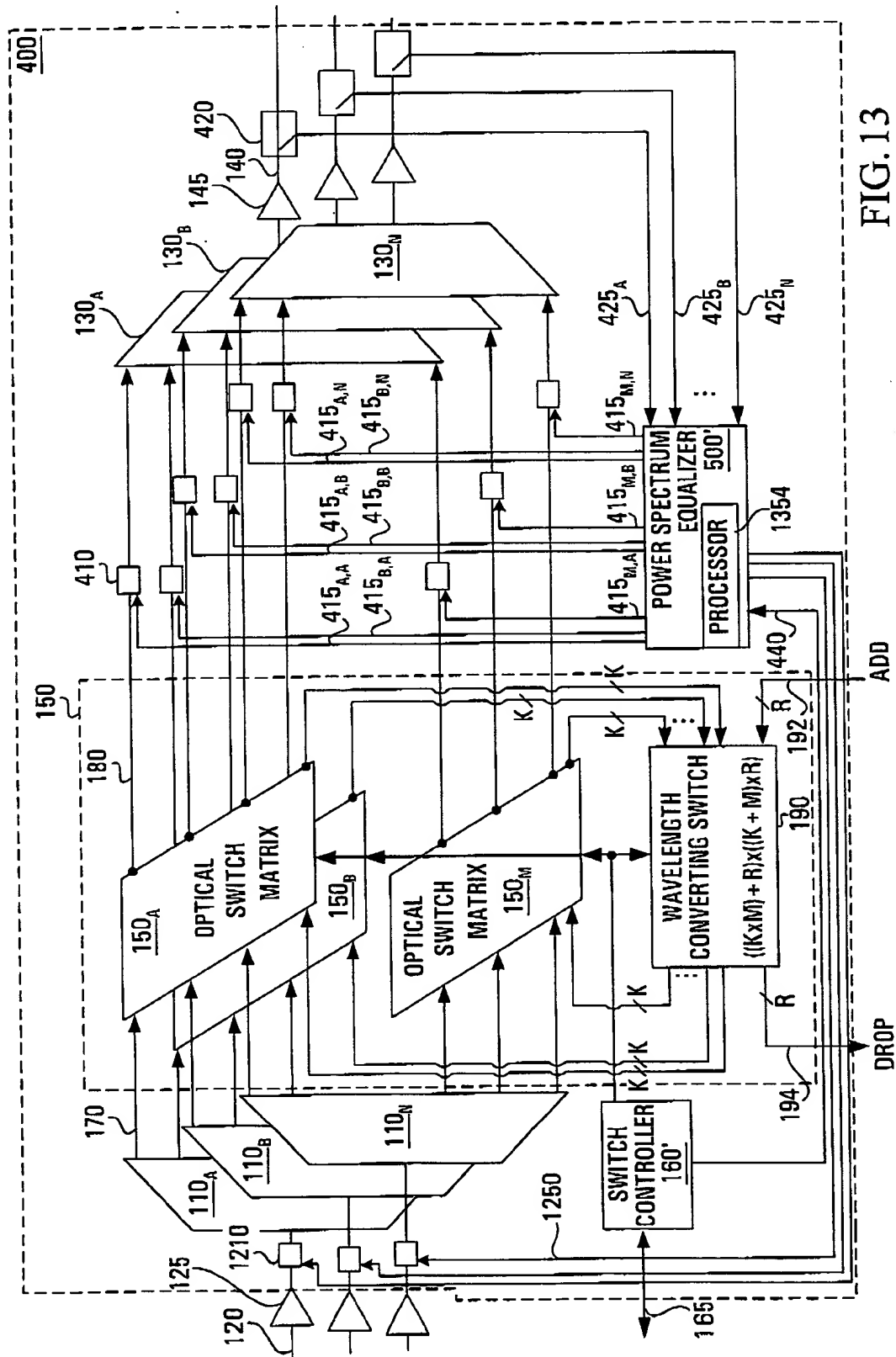


FIG.13

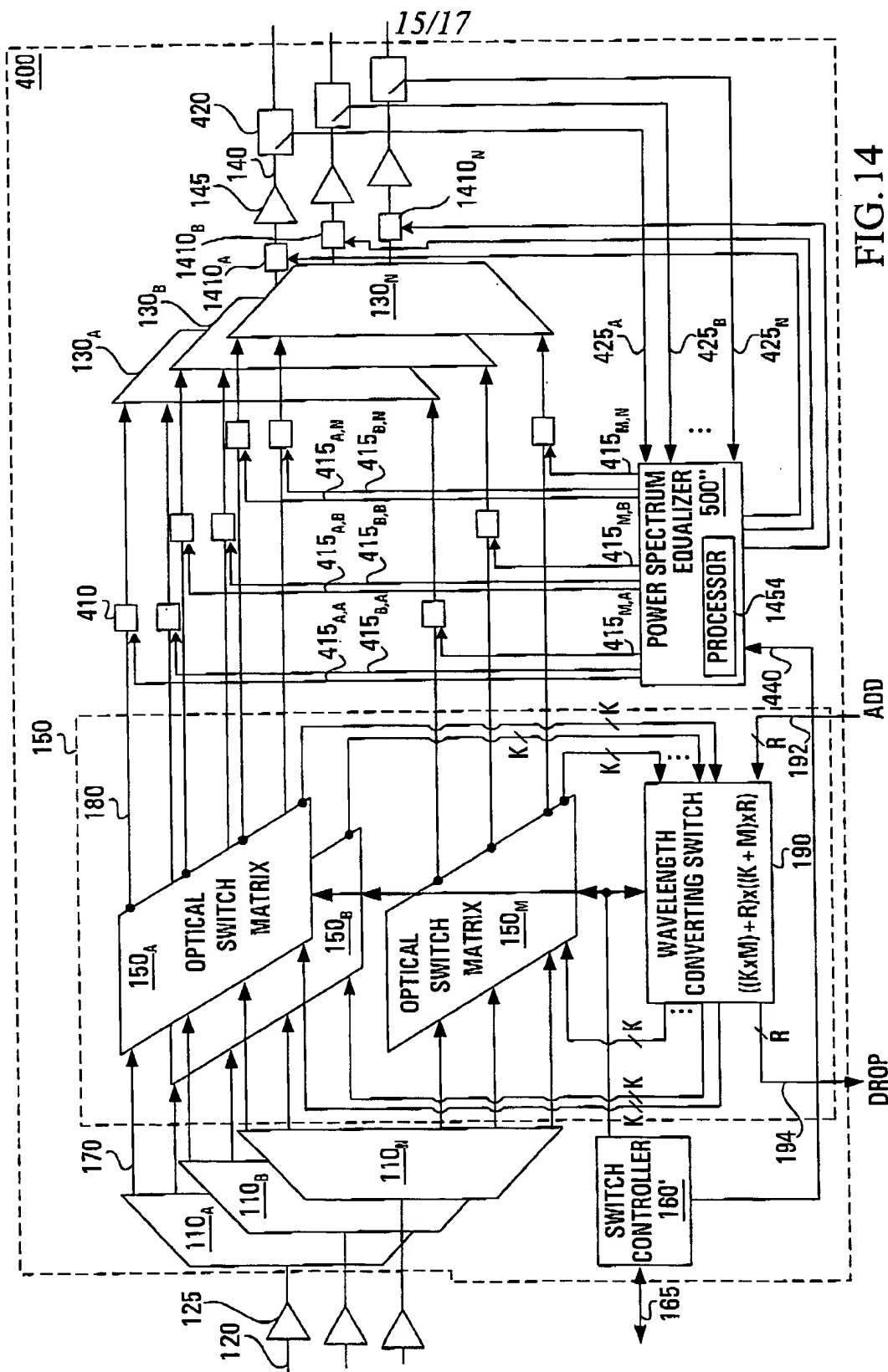


FIG. 14

00000" 56408560

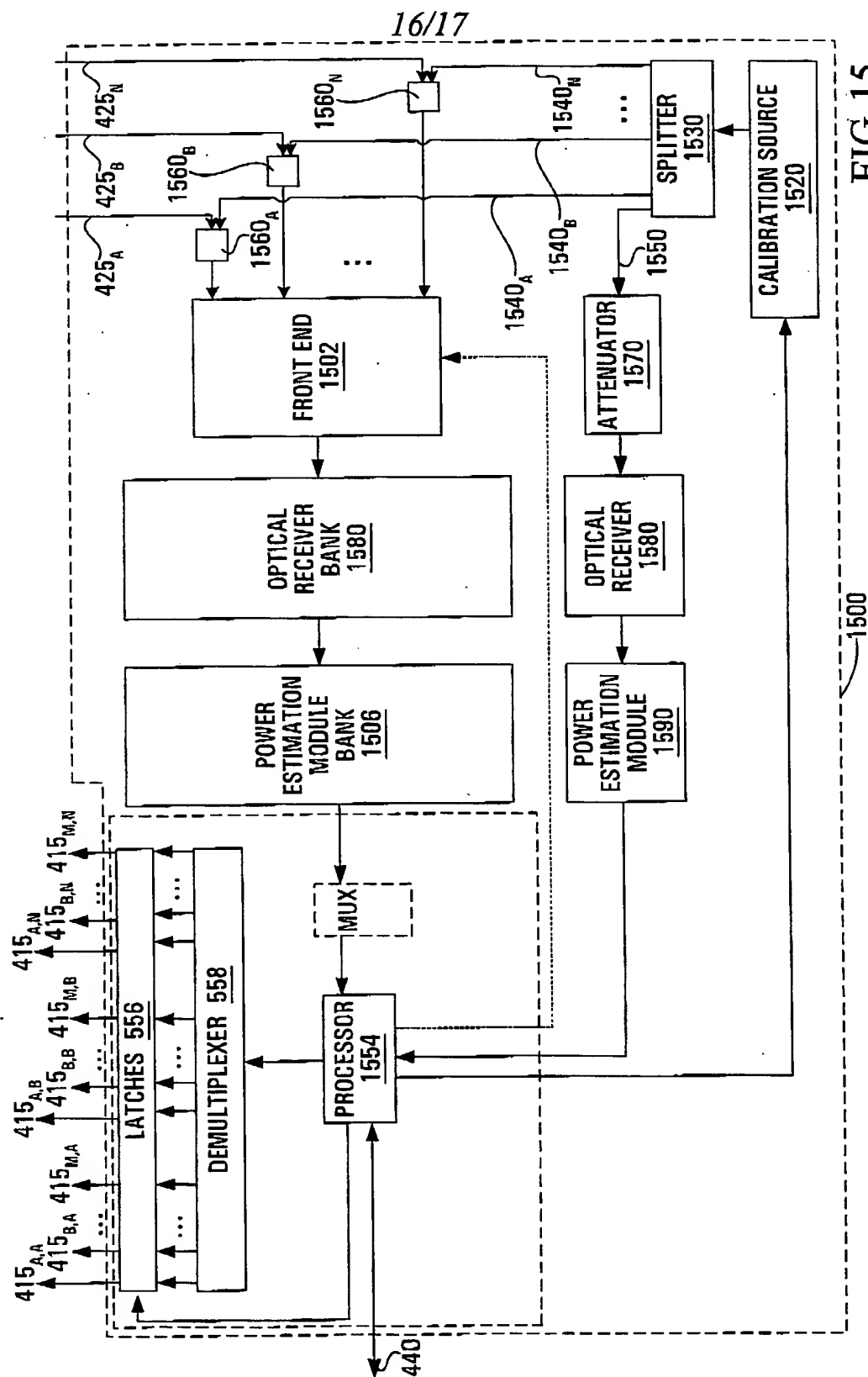


FIG.15

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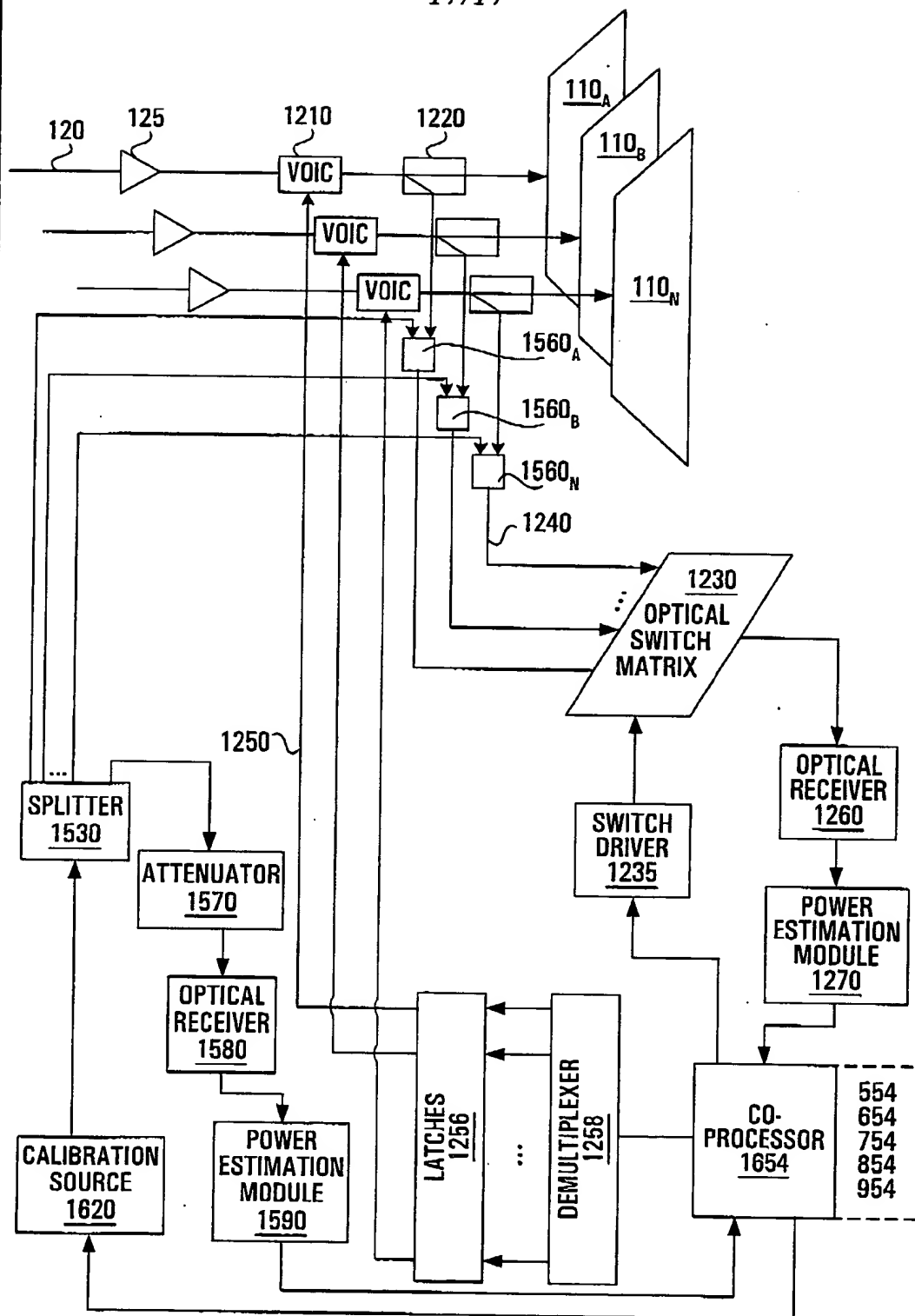


FIG. 16